

Converting Colors

XYZ(33.5298, 18.6611, 49.6752)

Have a look what the booklet for
XYZ(33.5298, 18.6611, 49.6752)
contains.

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Color

**XYZ(33.4579, 18.5983,
49.4034)**

Conversions

Conversions Part 1

Format	Color
Hex	C43CBC
RGB	196, 60, 188
RGB Percent	77%, 24%, 74%
CMY	0.2314, 0.7647, 0.2627
CMYK	0.00, 0.69, 0.04, 0.23
HSL	304°, 54%, 50%
HSV	304°, 69%, 77%
XYZ	33.4579, 18.5983, 49.4034
YIQ	115.2560, 39.9680, 68.6400

Conversions

Conversions Part 2

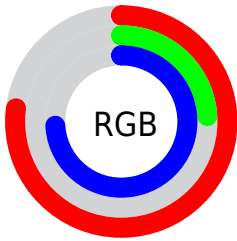
Format	Color
R_{YB}	196, 60, 188
Decimal	12860604
CIE _{Lab}	50.21, 67.63, -39.52
CIE _{LCh}	50, 78.336, 329.700
Yxy	18.5983, 0.3298, 0.1833
Android (android.graphics.Color)	4291050684 (0xFFC43CBC)
YUV	115.2560, 35.8628, 70.8125
Hunter-Lab	43.1257, 63.0142, -37.7326

Details

The XYZ color **33.4579, 18.5983, 49.4034** is a dark color, and the websafe version is hex **CC33CC**. The color can be described as middle muted rose. A complement of this color would be **22.6477, 40.8587, 12.1628**, and the grayscale version is **16.2604, 17.1072, 18.6298**.

A 20% lighter version of the original color is **64.3183, 41.0462, 90.9190**, and **14.7843, 7.1245, 23.1502** is the 20% darker color. If you saturate the color by 10%, you get **32.4911, 16.8624, 48.4704**, and if you desaturate by 10%, it is **34.8072, 21.0966, 50.4691**.

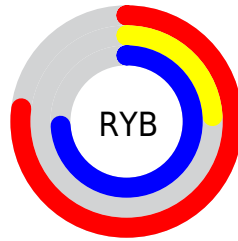
Distribution



Red (77%)

Green (24%)

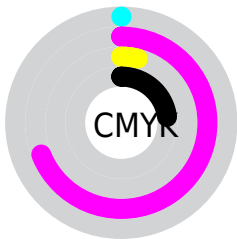
Blue (74%)



Red (77%)

Yellow (24%)

Blue (74%)

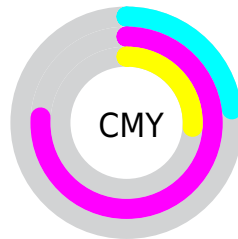


Cyan (0%)

Magenta (69%)

Yellow (4%)

Black (23%)



Cyan (23%)


Magenta (76%)


Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.4579, 18.5983, 49.4034 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 33.4579, 18.5983, 49.4034 by changing the saturation by 10% instead.


 33.4579, 18.5983,
49.4034


 33.4579, 18.5983,
49.4034


309.3367,
244.2221, 400.9963


 22.6384, 11.3804,
34.5717


 64.4397, 41.0542,
90.6775

 14.4459, 6.3233,
23.0523


 85.3326, 57.0610,
117.9570


 8.5152, 3.0426,
14.4264


 110.3141, 76.7662,
150.2228

 4.4809, 1.1540,
8.2757

 139.7494,
100.5542, 187.8936

 1.9776, 0.0237,
4.1816

 174.0040,
128.8094, 231.3877

 0.6214, 0.0000,
1.7255

213.4432,

 0.0000, 0.0000,

161.9162, 281.1239

0.3781

258.4323,
200.2589, 337.5206

■ 0.0000, 0.0000,
0.0000

■ 33.4579, 18.5983,
49.4034

■ 33.4579, 18.5983,
49.4034

■ 32.4911, 16.8624,
48.4704

■ 34.8072, 21.0966,
50.4691

■ 31.8603, 15.7973,
47.6542

■ 36.5745, 24.4299,
51.6789

■ 31.4869, 15.2455,
46.9286

■ 38.7938, 28.6655,
53.0442

■ 31.4664, 15.2164,
46.8849

■ 41.4947, 33.8629,
54.5751

■ 44.7046, 40.0766,
56.2806

■ 48.4487, 47.3571,
58.1690

■ 52.7506, 55.7514,
60.2484

■ 57.6323, 65.3039,
62.5260

■ 63.1149, 76.0564,
65.0089

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



25.9141, 18.5983, 82.3308



33.4579, 18.5983, 49.4034



36.5931, 18.5983, 20.4692

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



33.4579, 18.5983, 49.4034



17.7534, 18.5983, 0.5762



7.8085, 18.5983, 48.7221

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



33.4579, 18.5983, 49.4034



22.6477, 40.8587, 12.1628

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



6.7512, 18.5983, 20.0331



33.4579, 18.5983, 49.4034



11.4016, 18.5983, 1.3349

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



33.4579, 18.5983, 49.4034



26.0847, 18.5983, 1.3708



7.8527, 18.5983, 5.6595



11.3035, 18.5983, 81.7765

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



33.4579, 18.5983, 49.4034



35.2270, 18.5983, 9.1978



7.8527, 18.5983, 5.6595



7.2095, 18.5983, 37.8040

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



33.4586, 18.5992, 49.4038



79.7786, 70.2622, 101.3277



13.8816, 8.4044, 53.1158



16.7175, 14.3447, 21.4997



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



33.4586, 18.5992, 49.4038



58.2262, 29.4571, 87.0540



27.8452, 16.3538, 19.8438



10.4709, 10.2370, 12.5702



20.2296, 9.7816, 30.1847



0.8820, 0.4258, 1.3459

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



33.4586, 18.5992, 49.4038



58.2262, 29.4571, 87.0540



25.9634, 42.1849, 29.6233



10.4709, 10.2370, 12.5702



20.2296, 9.7816, 30.1847



0.8820, 0.4258, 1.3459

Previews

White Background



This preview shows how the XYZ color 33.4579, 18.5983, 49.4034 looks on a white background.

Color Contrast Check

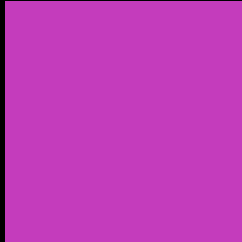
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 33.4579, 18.5983, 49.4034 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

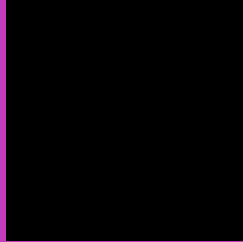
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.4579, 18.5983, 49.4034

Background



This preview shows how black text looks on a background with the XYZ color 33.4579, 18.5983, 49.4034.



This preview shows how white text looks on a background with the XYZ color 33.4579, 18.5983,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

33.4579, 18.5983, 49.4034

Protanopia

22.6247, 19.1348, 84.1623

Deuteranopia

19.3496, 18.8280, 45.2622



Tritanopia

26.0172, 18.5960, 13.2845

Trichromacy



Original Color

33.4579, 18.5983, 49.4034



Protanomaly

21.8205, 15.9659, 69.6418



Deuteranomaly

22.1713, 16.9381, 46.3568



Tritanomaly

27.9936, 18.1241, 22.7918

Monochromacy



Original Color

33.4579, 18.5983, 49.4034



Achromatopsia

16.2955, 17.1441, 18.6699



Achromatomaly

20.4763, 16.0667, 27.6132

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.4579, 18.5983, 49.4034 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(196, 60, 188)` looks like.

```
.text, #text, p{  
    color:rgb(196, 60, 188)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(196, 60, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 60, 188) }
```

Border

The CSS property to change the border of an element to XYZ 33.4579, 18.5983, 49.4034 is called "border". The border property can be set on classes, ids or directly on the HTML element.

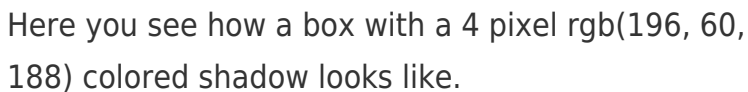
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(196, 60, 188) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(196, 60, 188) }
```

If you want to add a box shadow in that color use:



Here you see how a box with a 4 pixel `rgb(196, 60, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(196, 60, 188); -webkit-box-shadow:4px 4px 4px 4px rgb(196, 60, 188); box-shadow:4px 4px 4px 4px rgb(196, 60, 188) }
```

Background

The CSS property to change the background color of an element to XYZ 33.4579, 18.5983, 49.4034 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 60, 188) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(196, 60,  
188) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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